

CAGGAGCTCAGCTGCAGGAGGCAGGATGGTCTGGAGGCTGGTCCTGCTGGCT
 CTGTGGGTGTGGCCAGCACGCAAGCTGGTCACCAGGACAAAGACACGACCT
 TCGACCTTTTCAGTATCAGCAACATCAACCGCAAGACCATTGGCGCCAAGCA
 GTTCCGCGGGCCCGACCCCGGCGTGCCGGCTTACCGCTTCGTGCGCTTTGACT
 ACATCCCACCGGTGAACGCAGATGACCTCAGCAAGATCACCAAGATCATGCG
 GCAGAAGGAGGGCTTCTTCCTCACGGCCAGCTCAAGCAGGACGGCAAGTCC
 AGGGGCACGCTGTTGGCTCTGGAGGGCCCCGGTCTCTCCAGAGGCAGTTCCG
 AGATCGTCTCCAATGGCCCCGCGGACACGCTGGATCTCACCTACTGGATTGA
 CGGCACCCGGCATGTGGTCTCCCTGGAGGACGTCCGGCCTGGCTGACTCGCAG
 TGGAAGAACGTCACCGTGCAGGTGGCTGGCGAGACCTACAGCTTGCACGTGG
 GCTGCGACCTCATAGACAGCTTCGCTCTGGACGAGCCCTTCTACGAGCACCT
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 TCACTTCAGGGGTTTGCTTCAGAACGTCCACCTAGTGTGTTGAAAACCTCTGTGG
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 ACGCCATCAGTGAGAACACAGAGACGCTGCGCCTGGGTCCGCATGTCACCAC
 CGAGTACGTGGGCCCCAGCTCAGAGAGGAGGCCCCGAGGTGTGCGAACGCTC
 GTGCGAGGAGCTGGGAAACATGGTCCAGGAGCTCTCGGGGCTCCACGTCCTC
 GTGAACCAGCCCAGCGAGAACCTCAAGAGAGTGTGCAATGATAACCAGTTTC
 TCTGGGAGCTCATTGGTGGCCCTCCTAAGACAAGGAACATGTCAGCTTGCTG
 GCAGGATGGCCGGTTCTTTGCGGAAAATGAAACGTGGGTGGTGGACAGCTGC
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 CGCCTGCAACCTGCGCCAGTCCATCCTTTGTGGAAGGCGAATGCTGCCCTTCC
 TGCCTCCACTCGGTGGACGGTGAGGAGGGCTGGTCTCCGTGGGCAGAGTGGA
 CCCAGTGCTCCGTGACGTGTGGCTCTGGGACCCAGCAGAGAGGCCGGTCCGTG
 TGACGTACCCAGCAACACCTGCTTGGGGCCCTCCATCCAGACACGGGCTTGC
 AGTCTGAGCAAGTGTGACACCCGCATCCGGCAGGACGGCGGCTGGAGCCACT
 GGTCACCTTGGTCTTCATGCTCTGTGACCTGTGGAGTTGGCAATATCACACGC
 ATCCGTCTCTGCAACTCCCCAGTGCCCCAGATGGGGGGCAAGAATTGCAAAG
 GGAGTGGCCGGGAGACCAAAGCCTGCCAGGGCGCCCCATGCCCAATCGATG
 GCGCTGGAGCCCCTGGTCCCCGTGGTCCGGCTGCACTGTACCTGTGCCGGT
 GGGATCCGGGAGCGCACCCGGGTCTGCAACAGCCCTGAGCCTCAGTACGGAG
 GGAAGGCCTGCGTGGGGGATGTGCAGGAGCGTCAGATGTGCAACAAGAGGA
 GCTGCCCCGTGGATGGCTGTTTATCCAACCCCTGCTTCCCGGGAGCCCAGTGC
 AGCAGCTTCCCCGATGGGTCTGTCATGCGGCTCCTGCCCTGTGGGCTTCTT
 GGGCAATGGCACCCACTGTGAGGACCTGGACGAGTGTGCCCTGGTCCCCGAC
 ATCTGCTTCTCCACCAGCAAGGTGCCTCGCTGTGTCAACACTCAGCCTGGCTT
 CCACTGCCCTGCCCTGCCCGCCCCGATACAGAGGGAACCAGCCCGTCGGGGTC
 GGCCTGGAAGCAGCCAAGACGGAAAAGCAAGTGTGTGAGCCCGAAAACCCA
 TGCAAGGACAAGACACAACCTGCCACAAGCACGCGGAGTGCATCTACCTG
 GGCCACTTCAGCGACCCCATGTACAAGTGCGAGTGCCAGACAGGCTACGCGG
 GCGACGGGCTCATCTGCGGGGAGGACTCGGACCTGGACGGCTGGCCCAACCT
 CAATCTGGTCTGCGCCACCAACGCCACCTACCACTGCATCAAGGATAACTGC
 CCCCATCTGCCAAATTCTGGGCAGGAAGACTTTGACAAGGACGGGATTGGCG
 ATGCCTGTGATGATGACGATGACAATGACGGTGTGACCGATGAGAAGGACAA
 CTGCCAGCTCCTTTCAATCCCCGCCAGGCTGACTATGACAAGGATGAGGTT
 GGGGACCGCTGTGACAACTGCCCTTACGTGCACAACCCTGCCAGATCGACA

FIG. 1A

CAGACAACAATGGAGAGGGTGACGCCTGCTCCGTGGACATTGATGGGGACG
ATGTCTTCAATGAACGAGACAATTGTCCCTACGTCTACAACACTGACCAGAG
GGACACGGATGGTGACGGTGTGGGGGATCACTGTGACAACCTGCCCCCTGGTG
CACAACCCTGACCAGACCGACGTGGACAATGACCTTGTTGGGGACCAAGTGTG
ACAACAACGAGGACATAGATGACGACGGCCACCAGAACAACCAGGACAACCT
GCCCTACATCTCCAACGCCAACAGGCTGACCATGACAGAGACGGCCAGGG
CGACGCCTGTGACCCTGATGATGACAACGATGGCGTCCCCGATGACAGGGAC
AACTGCCGGCTTGTGTTCAACCCAGACCAGGAGGACTTGGACGGTGATGGAC
GGGGTGATATTTGTAAAGATGATTTTGACAATGACAACATCCCAGATATTGA
TGATGTGTGTCTGAAAACAATGCCATCAGTGAGACAGACTTCAGGAACCTC
CAGATGGTCCCCTTGGATCCCAAAGGGACCACCCAAATTGATCCCAACTGGG
TCATTGCCCATCAAGGCAAGGAGCTGGTTCAGACAGCCAACTCGGACCCCCG
CATCGCTGTAGGTTTTGACGAGTTTGGGTCTGTGGACTTCAGTGGCACATTCT
ACGTAAACACTGACCGGGACGACGACTATGCCGGCTTCGTCTTTGGTTACCA
GTCAAGCAGCCGCTTCTATGTGGTGATGTGGAAGCAGGTGACGCAGACCTAC
TGGGAGGACCAGCCCACGCGGGCCTATGGCTACTCCGGCGTGTCCCTCAAGG
TGGTGAACCTCCACCACGGGGACGGGCGAGCACCTGAGGAACGCGCTGTGGC
ACACGGGGAACACGCCGGGGCAGGTGCGAACCTTATGGCACGACCCCAGGA
ACATTGGCTGGAAGGACTACACGGCCTATAGGTGGCACCTGACTCACAGGCC
CAAGACCGGCTACATCAGAGTCTTAGTGATGAAGGAAAACAGGTCATGGCA
GACTCAGGACCTATCTATGACCAAACCTACGCTGGCGGGCGGCTGGGTCTAT
TTGTCTTCTCTCAAGAAATGGTCTATTTCTCAGACCTCAAGTACGAATGCAGA
GATATTTAAACAAGATTTGCTGCATTTCCGGCAATGCCCTGTGCATGCCATGG
TCCCTAGA

FIG. 1B

MVWRLVLLALWVWPSTQAGHQDKDTTDFDLFSISNINRKTIGAKQFRGPDGPVPA
YRFVRFDYIPPNADDLSKITKIMRQKEGFFLTAQLKQDGKSRGTLLEGPGLS
QRQFEIVSNGPADTLDLTYWIDGTRHVVSLVDVGLADSQWKNVTVQVAGETYS
LHVGCIDLIDSFALDEPFYEHQAESRMYVAKGSARESHFRGLLQNVHLVFENS
VEDILSKKGCQQGQGAENAISENTETLRLGPHVTTEYVGPSSERRPEVCERSCEE
LGNMVQELSGLHVLVNQPSENLKRVSNDNQFLWELIGGPPKTRNMSACWQDGR
FFAENETWVVDSCCTCTCKKFKTICHQITCPPATCASPSFVEGECCPSCLHSVDGE
EGWSPWAEWTQCSVTCGSGTQQRGRSCDVTSNTCLGPSIQTRACSLSKCDTRIR
QDGGWSHWSPWSSCSVTCGVGNITRIRLNSPVPQMGGKNCKGSGRETKACQG
APCPIDGRWSPWSPWSACTVTCAGGIRERTRVCNSPEPQYGGKACVGDVQERQ
MCNKRSCPVDGCLSNPCFPGAQCSSFDPGWSWCGSCPVGFLGNGTHCEDLDECA
LVPDICFSTSKVPRCVNTQPGFHCLPCPPRYRGNQPVGVGLEAAKTEKQVCEPEN
PCKDKTHNCHKHAECIYLGHFSDPMYKCECQTGYAGDGLICGEDSDLDGWPNL
NLVCATNATYHCIKDNCPHLPNSGQEDFDKDGIGDACDDDDDDNDGVTDEKDNC
QLLFNPRQADYDKDEVGDRCDNCPYVHNPAQIDTDNNGEGDACSVIDIDGDDVF
NERDNCPYVYNTDQRD TDGDGVGDHCDNCPLVHNPDQTDVDNDLVGDQCDN
NEDIDDDGHQNNQDNCPYISNANQADHHRDGGQDACDPDDDDNDGVPDDRDN
RLVFNPQEDLDGDGRGDICKDDFDNDNIPDIDDVCPENNAISETDFRNFMVPL
DPKGTQIDPNWVIRHQGKELVQTANSDPGIAGVFDEFSGSVDFSGTFYVNTDRD
DDYAGFVFGYQSSSRFYVMWKQVTQTYWEDQPTRAYGYSGVSLKVVNSTTG
TGEHLRNALWHTGNTPGQVRTLWHDPRNIGWKDYTAIRWHLTHRPKTGYIRV
LVHEGKQVMADSGPIYDQTYAGGRLGLFVFSQEMVYFSDLKYECRDI

FIG. 2

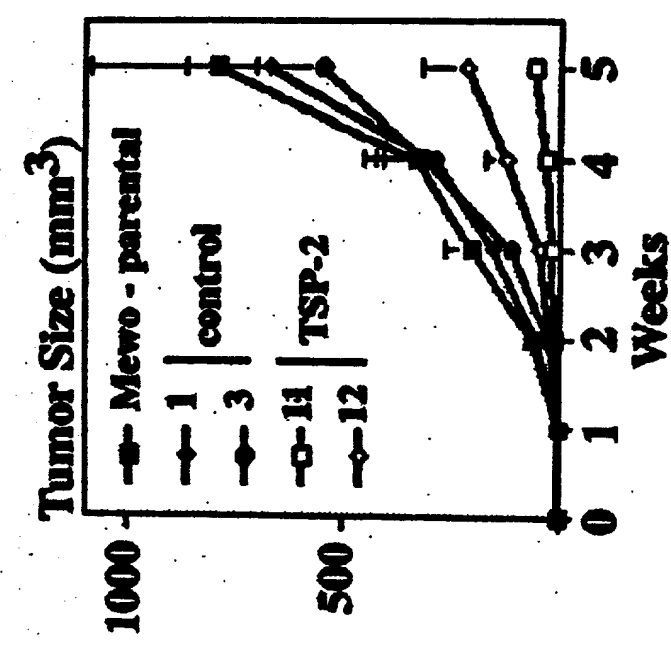
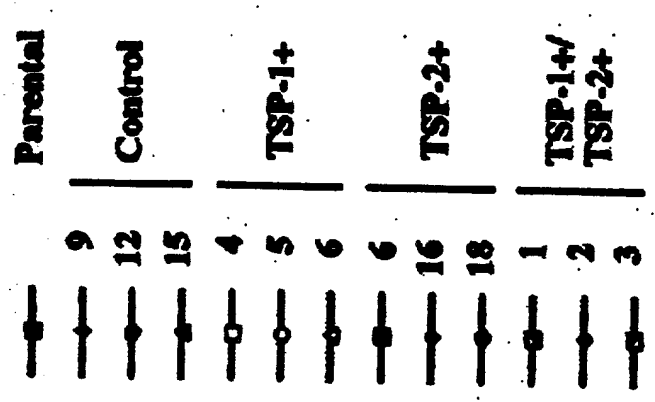
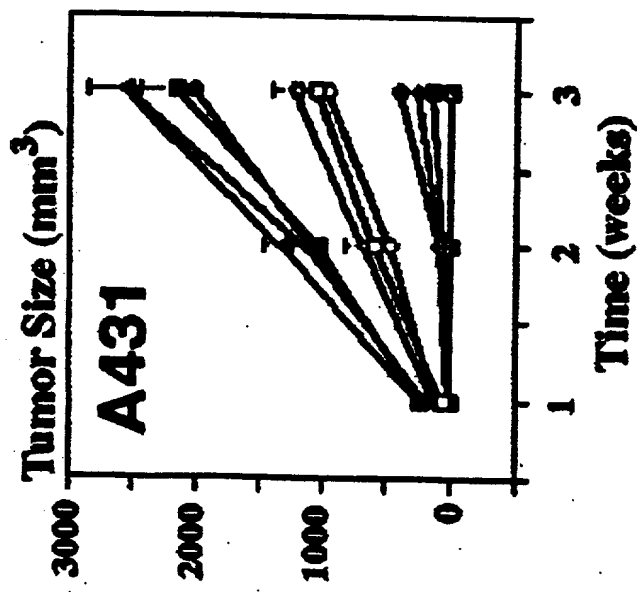


Fig. 3

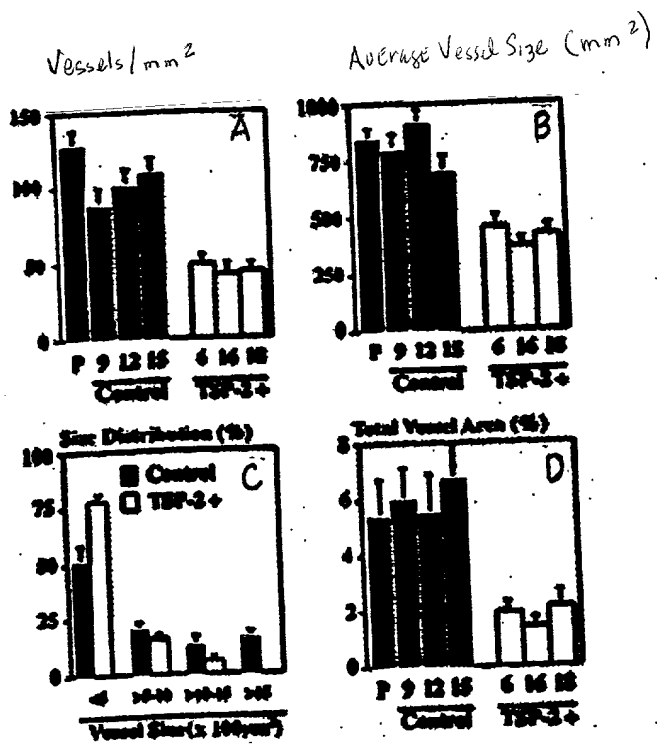


Fig. 4

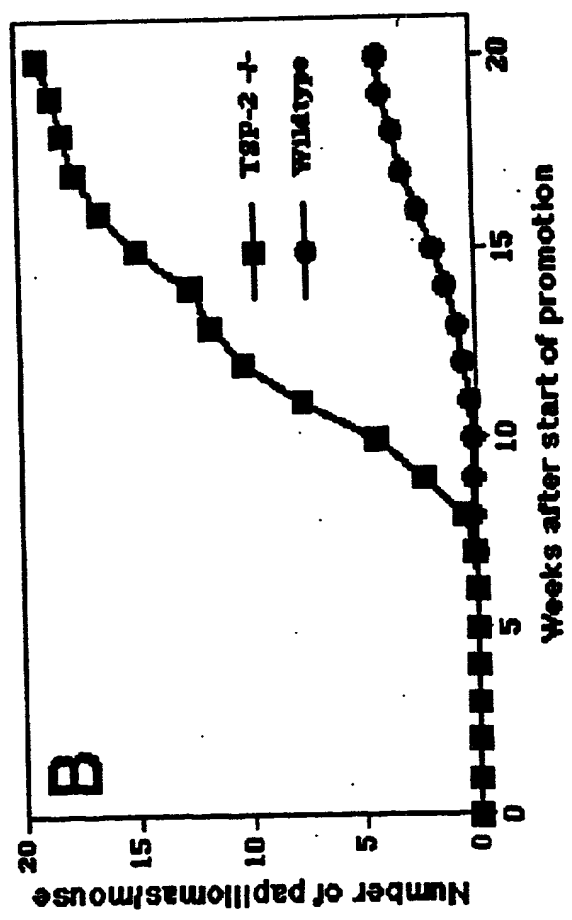
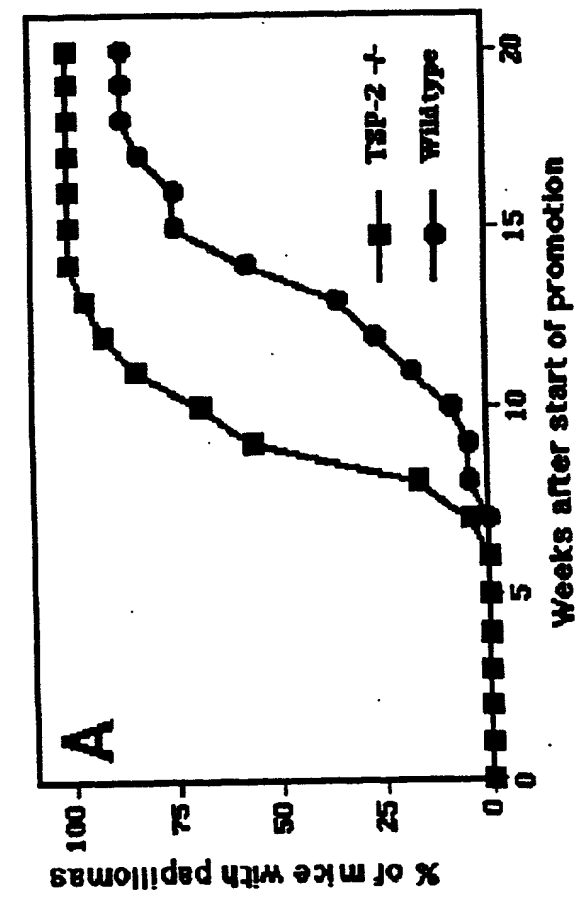


Fig 5

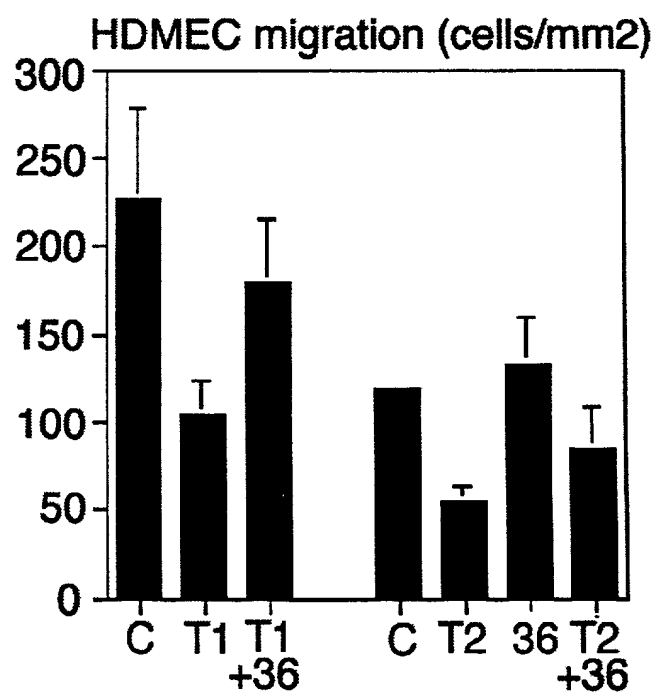


Fig. 6

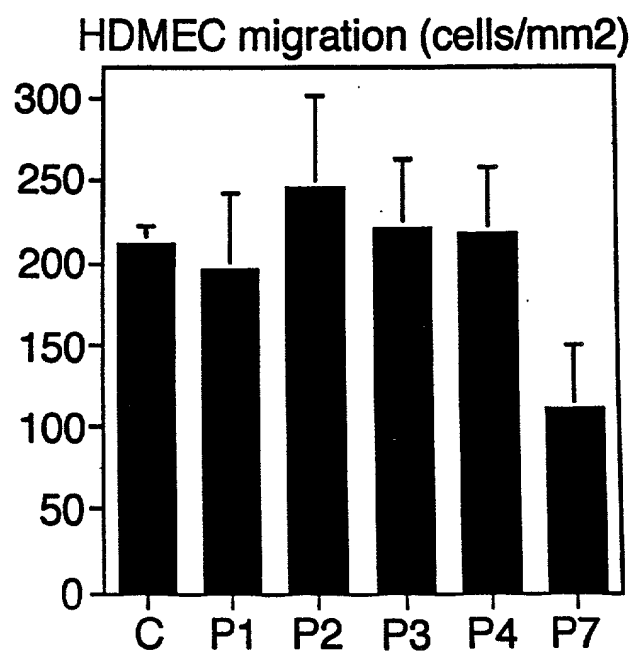


Fig. 7